

WHAT IS CLAIMED IS:

1. An input device comprising:
a body of said device;
electronic circuitry mounted in said body;
a top housing mounted over said body;
a free extending button integrally formed with said top housing;
said extending button being depressible separately with respect to a remainder
of said top housing;
said top housing providing a cantilevered mounting of said extending button to
said body of said device.
2. The input device of claim 1 wherein the top housing and extending
portion are metal.
3. The input device of claim 1 further comprising an island mounted on
said body adjacent said extending button, said island having a lip extending over an edge of
said extending button so that a gap between said extending button and said island is not
visible from above.
4. The input device of claim 3 further comprising a second extending
button, said second extending button extending underneath a second lip on a side of said
island opposite said first mentioned extending button.
5. The device of claim 3 further comprising a roller extending through a
slot in said island.
6. The device of claim 5 further comprising:
a cantilevered arm supporting the roller and attached to an inside surface of
the top housing behind the roller, wherein the cantilevered arm provides a spring force to bias
roller upward through the slot, eliminating the need for a return spring.
7. The input device of claim 1 wherein said top housing curves around a
back of said device and attaches to said back of said device.

1 8. The input device of claim 5 further comprising a resilient bumper
2 mounted between said top housing and said body where said top housing curves around said
3 back of said device.

1 (9) The input device of claim 1 further comprising:
2 a non-metallic interior housing mounted beneath said top housing between
3 said top housing and electronic circuitry inside said device;
4 wherein said top housing is metal, and said interior housing isolates said metal
5 from said electronic circuitry.

1 10. The input device of claim 1 wherein said top housing and extended
2 button have a single hinge point more than halfway toward the back of said device, such that
3 said top housing and extended button can flex on either side of said hinge point.

4 111. The input device of claim 1 wherein said device is a mouse.

5 12. A mouse comprising:
6 a body of said mouse;
7 electronic circuitry mounted in said body;
8 a top metal housing mounted over said body;
9 first and second free extending metal buttons integrally formed with said metal
10 top housing;
11 said extending buttons being depressible separately with respect to a
12 remainder of said top housing;
13 said top housing providing a cantilevered mounting of said extending buttons
to said body of said device;
an island mounted on said body between said extending buttons, said island
having lips extending over edges of said extending buttons so that a gap between said
extending buttons and said island is not visible from above.

1 13. The mouse of claim 12 further comprising a roller extending through a
2 slot in said island.

